

Science Toolkit: Grade 7 Objective 3.A.1.c

Student Handout: Science: Grade 7 Objective 3.A.1.c

Standard 3.0 Life Science

Topic A. Diversity of Life

Indicator 1. Compile evidence to verify the claim of biologists that the features of organisms connect or differentiate them-these include external and internal structures (features) and processes.

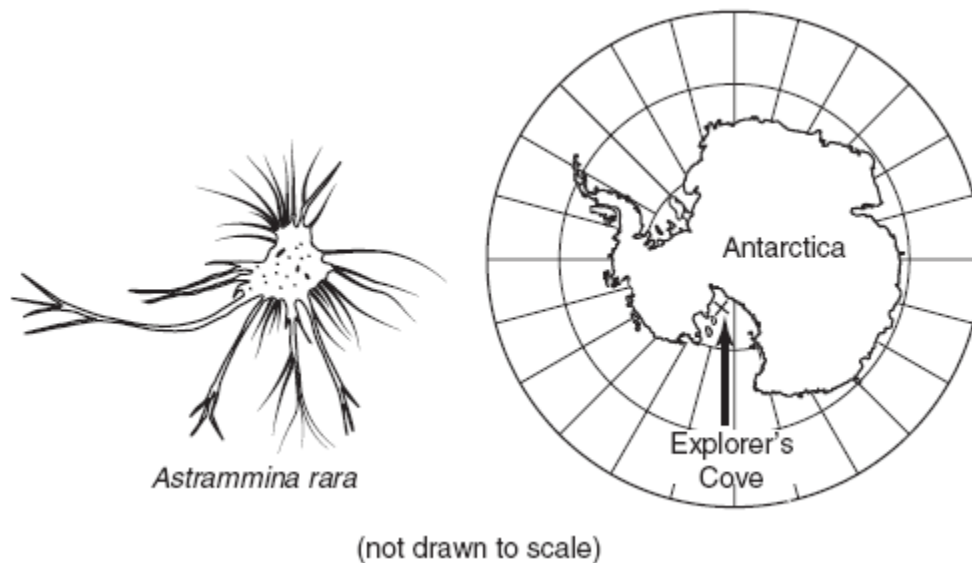
Objective c. Use analogies, models, or drawings to represent that animals and plants have a great variety of body plans and internal structures that define the way they live, grow, survive, and reproduce.

Selected Response (SR) Item

Question

Use the information and diagrams below to answer the following.

Astrammina rara is a unicellular organism that is several millimeters long. This organism lives on the ocean floor of Antarctica in an area called Explorer's Cove. *Astrammina rara* builds a shell by cementing grains of sand from the ocean floor together. The organism either absorbs nutrients from the water or eats other organisms on the ocean floor. The offspring of *Astrammina rara* have genes identical to the parent. Below is a diagram of an *Astrammina rara* and a map showing where the organism lives.



Which of the following reasons best explains why *Astrammina rara* builds a shell?

- A. to grind food
- B. to attract a mate
- C. to absorb sunlight
- D. to blend with the ocean floor

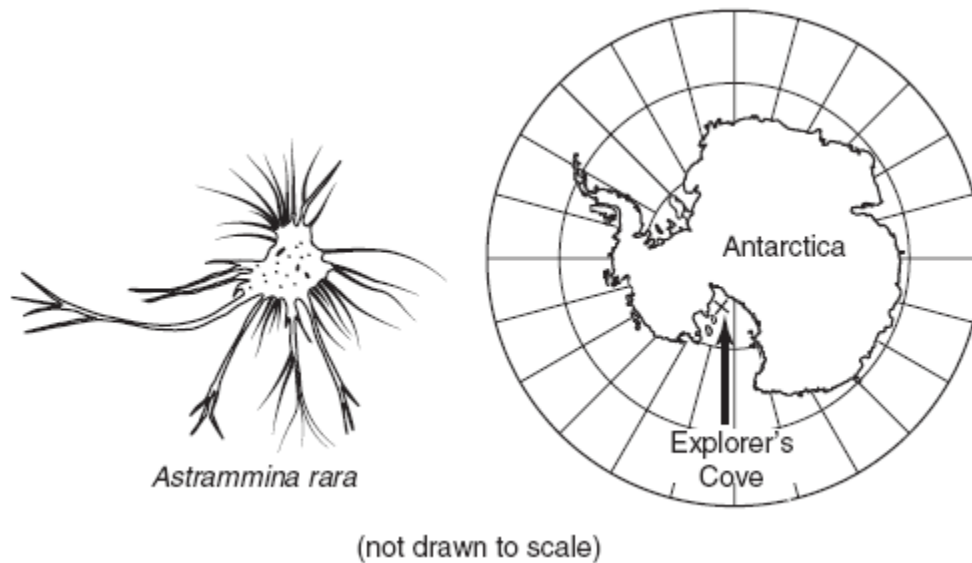
Correct Answer

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